

RECENT ENTOMOLOGICAL LITERATURE.

MAY FLIES AND MIDGES OF NEW YORK. BULLETIN 86, NEW YORK STATE MUSEUM.

This interesting and important work, which constitutes the third report on the aquatic insects of New York State, contains 352 pages and 37 plates. Professor James G. Needham gives an interesting account on the summer food of the bullfrog, followed by systematic notes on the Hemerobiidae and the Ephemeroidea, with keys to the genera and descriptions of six new species and one new genus *Drunella*. The family Hydroptilidae is treated by Mr. Kenneth J. Morton; one new genus (*Neotrichia*) and twelve new species being described.

The greater portion of the report is by Mr. O. A. Johannsen on the Nematoceros Diptera comprising the family Chironomidae. This is the first American publication of a monographic character bearing on this large and important family, and the degree of thoroughness with which the author has accomplished this work calls for great praise. The Chironomid genera of the world are defined, and all the North American species tabulated and described, together with many of the larvae and pupae, except the group *Ceratopogon* which is only generically treated.

Some idea of the amount of work involved can be gained from the following figures: upwards of 50 genera and over 200 species are described, including two new genera (*Anatopynia* and *Ablabesmyia*) and 58 new species, or species that are not recorded in Aldrich's Catalogue. The genus *Tanypus* of authors is divided into three genera, *Procladius*, *Ablabesmyia* and *Tanypus*. The group *Ceratopogon* now comprises the genera *Ceratopogon*, *Culicoides*, *Oecacta*, *Bezzia*, *Ceratophus* and *Palpomyia*, the latter being divided into a number of subgenera including *Heteromyia* Say.

C. W. J.

INDEX TO PERIODICAL LITERATURE.

Asterisks indicate descriptions of new species of American insects or of new genera.

PERIODICALS CITED.

- 4 The Canadian Entomologist, London, Ont.
- 6 Journal of the New York Entomological Society.
- 7 U. S. Dept. Agriculture, Bureau of Entomology. Bulletins and Circulars.
- 8 The Entomologist's Monthly Magazine, London.
- 11 The Annals and Magazine of Natural History, London.